

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-10 (canceled)

Claim 11 (previously presented) An RNA polymerase which is an RNA polymerase from T7 phage, and has tyrosine at amino acid residue 644 and/or 667 of SEQ ID NO:2.

Claim 12 (previously presented) An RNA polymerase comprising an RNA polymerase of claim 11 with a further substitution, insertion, or deletion of an amino acid other than the amino acid residues 644 and/or 667 of SEQ ID NO:2, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.

Claim 13 (previously presented) An RNA polymerase consisting of a wild type T7 RNA polymerase provided that 644th amino acid residue of SEQ ID NO:2 of the wild type T7 RNA polymerase, phenylalanine, has been replaced with tyrosine.

Claim 14 (previously amended) An RNA polymerase consisting of a wild type T7 RNA polymerase provided that 667th amino acid residue, phenylalanine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with tyrosine.

Claim 15 (previously presented) An RNA polymerase comprising an RNA polymerase of claim 13 with a further mutation wherein the 665th amino acid residue, leucine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with proline.

Claim 16 (previously presented) An RNA polymerase consisting of a wild type T7 RNA polymerase provided that 644th amino acid residue, phenylalanine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with tyrosine, and 667th amino acid residue, phenylalanine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with tyrosine.

Claim 17 (previously presented) An RNA polymerase comprising an RNA polymerase of claim 16 with a further mutation wherein the 665th amino acid residue, leucine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with proline.

Claim 18 (currently amended) An RNA polymerase which is an RNA polymerase from T3 phage, and has tyrosine at amino acid residue 645 or 668 of SEQ ID NO: 14 SEQ ID NO:4.

Claim 19 (currently amended) An RNA polymerase comprising an RNA polymerase of claim 18 with a further mutation wherein the RNA polymerase from T3 phage has a further substitution, insertion, or deletion of an amino acid other than the amino acid residues 645 and 668 of SEQ ID NO:14 SEQ ID NO:4, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.

Claim 20 (currently amended) An RNA polymerase which is an RNA polymerase from K11 phage, and has tyrosine at one or more amino acid residues 664-669 and 690 of SEQ ID NO:15 SEQ ID NO:5.

Claim 21 (currently amended) An RNA polymerase comprising an RNA polymerase of claim 20 with a further mutation wherein the RNA polymerase from K11 phage has a further substitution, insertion, or deletion of an amino acid other than the amino acid residues 664-669 and 690 of SEQ ID NO:15 SEQ ID NO:5, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.

Claim 22 (currently amended) An RNA polymerase which is RNA polymerase from SP6 phage, and has tyrosine at one or more amino acid residues 633-638 and 670 of SEQ ID NO:16 SEQ ID NO:6.

Claim 23 (currently amended): An RNA polymerase comprising an RNA polymerase of claim 22 with a further mutation wherein the RNA polymerase from SP6 phage has a further substitution, insertion, or deletion of an amino acid other than the amino acid residues 633-638 and 670 of SEQ ID NO:16 SEQ ID NO:6, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.

Claims 24-28 (canceled)